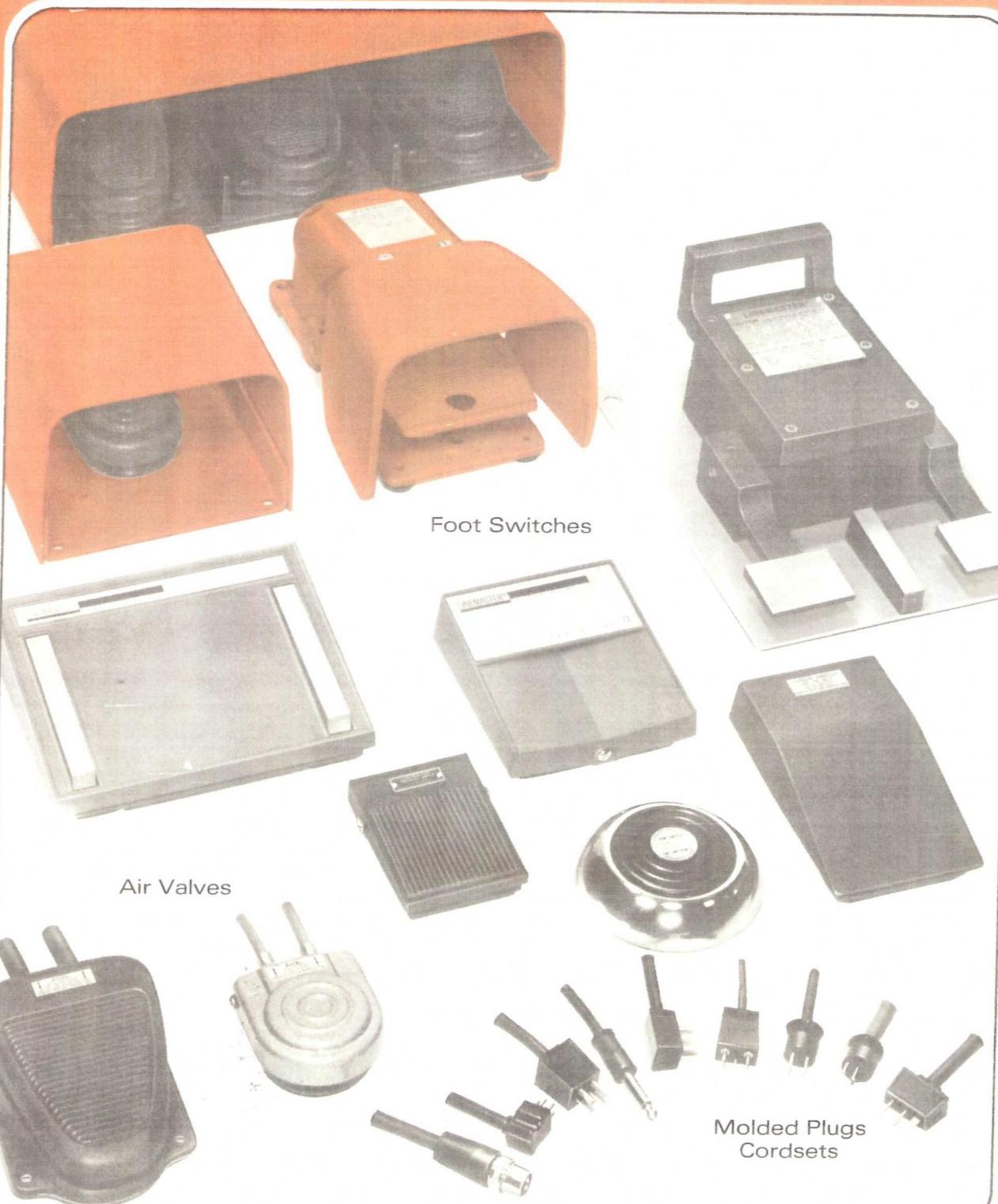


EXHIBIT Q

CATALOG 77

LINEMASTER®

AMERICA'S FOOT SWITCH LEADER

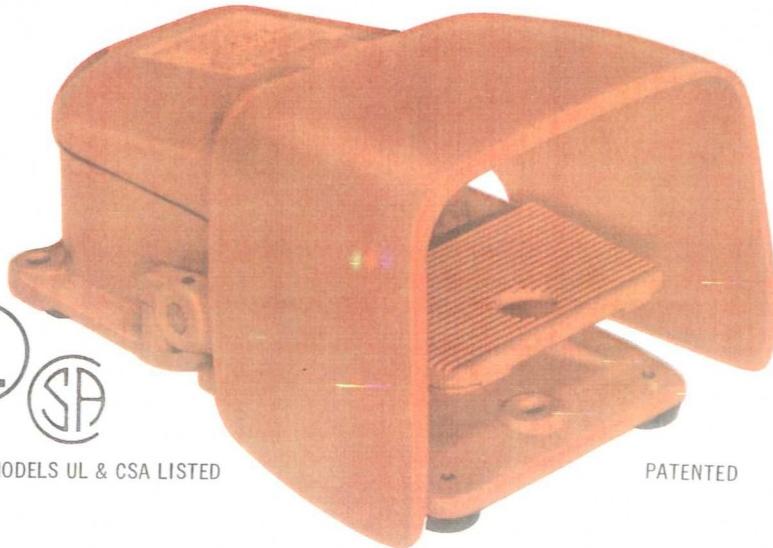


LINEMASTER®

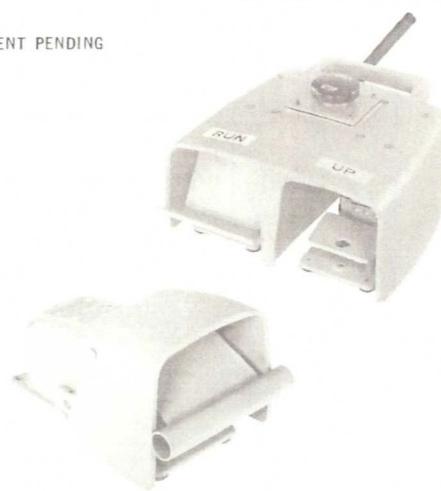
ANTI-TRIP FOOT CONTROL advanced design prevents Accidental Actuation



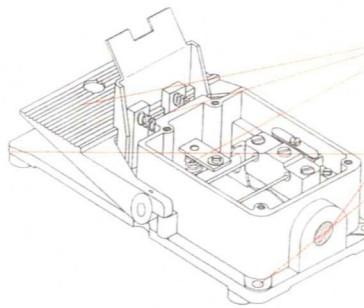
ALL MODELS UL & CSA LISTED



PATENT PENDING



PATENTED



Painted Alert Orange

Dual mechanism and springs for treadle return and latching.

 $\frac{1}{2}$ "-14 pipe thread conduit opening.

Anti skid rubber feet and 3 holes for rigid mounting to floor or equipment.

Driptight Dusttight
Watertight Oiltight
NEMA Types 2, 4 & 13Dimensions 9" x 5 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ "

Weight—Approximately 7 lbs.

EXAMPLE OF CIRCUIT DESCRIPTIONS

CIRCUIT	TREADLE UP	TREADLE DOWN
SPDT		
SPDT DB (Double Break)		

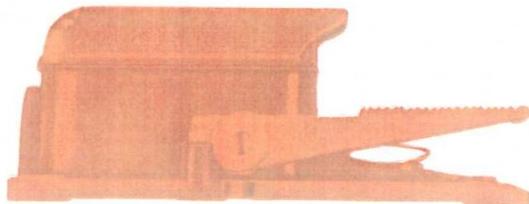
SPECIFICATIONS

WARNING See page 2

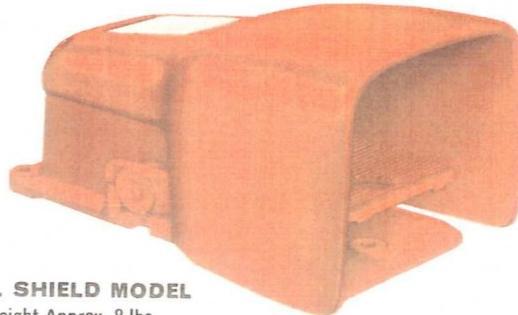
FULL SHIELD	"O" SHIELD	WITH GATE	STAGE	CIRCUIT	ELECTRICAL RATINGS & COMMENTS
UL 511-B	SP 511-B0	511-BG	Single	SPDT	20 Amps 125-250 VAC 1 HP 125-250 VAC Heavy Pilot Duty 250 VAC Max.
UL 511-B2*	SP 511-B20*	511-B2G*	Single	DPDT	
UL 511-B2A	SP 511-B20A	511-B2GA	Two	SPDT	
UL 511-B3	SP 511-B30	511-B3G	Single	SPDT DB†	15 Amps 125-250 VAC $\frac{1}{2}$ HP 125 VAC 1 HP 250 VAC Heavy Pilot Duty 250 VAC Max. †Must be wired to equal voltage sources and the same polarity. The loads should be on the same sides of the line.
UL 511-B4*	SP 511-B40*	511-B4G*	Single	DPDT DB†	
UL 511-B4A	SP 511-B40A	511-B4GA	Two	SPDT DB†	

*One pole of these models has an adjustable actuating mechanism that enables you to make or break one pole before the other. EXAMPLE: You can break the N.O. Circuit long before you would remake an N.C. Circuit in a 511-B2.

HERCULES Heavy Duty Foot Switch

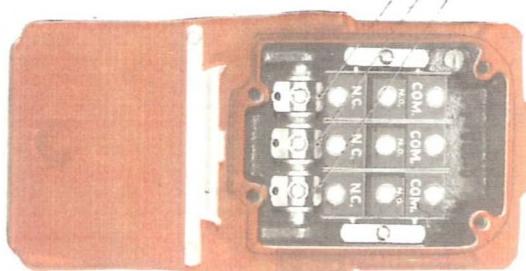
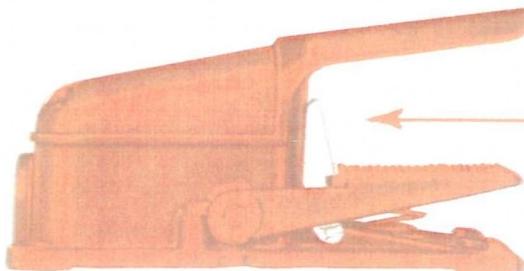
**WITHOUT GUARD**

Weight Approx. 6½ lbs.

**FULL SHIELD MODEL**

Weight Approx. 8 lbs.

*Shielded cover cast aluminum

**ADJUSTING SCREWS****EASY TO WIRE AND ADJUST****MAINTAINED LATCH UNDER GUARD**

- Driptight ► Dusttight
- Watertight ► Oiltight
- NEMA Types 2, 4 & 13**

DIMENSIONS* 8 $\frac{1}{16}$ " x 4 $\frac{5}{16}$ " x 4 $\frac{1}{2}$ "

Weight Approx. 7½ lbs.

"O" SHIELD cover available for field installation on standard models. Catalog No. 534-E7, painted alert orange.

The rugged cast iron enclosure has sufficient weight to keep the switch from sliding across the floor when being operated. All Hercules switches have a $\frac{3}{4}$ "-14 pipe thread conduit opening. Oiltight-watertight models have a neoprene cover gasket, plus a seal around the activating shaft. Separate #8 ground screw provided in all models. Alert orange finish. In all Maintained Contact Models the release is accomplished by simply pressing the latch with a light forward movement of the toe. This release is placed under the safety guard so falling objects cannot easily release it. In the two and three stage switches the sequence of latching can be selective if desired. In the standard models they are progressive.

SPECIFICATIONS**WARNING See page 2**Dual $\frac{1}{2}$ "-14 pipe thread conduit opening models available.

OILTIGHT-WATERTIGHT			STAGE	CIRCUIT	ELECTRICAL RATINGS	COMMENTS
FULL SHIELD	"O" SHIELD	WITHOUT GUARD				
531-SWH 571-DWH	531-SWHO 571-DWHO	531-SWN 571-DWN	Single	SPDT	20 Amps 125-250 VAC 1 HP 125-250 VAC Heavy Pilot Duty 250 VAC Max.	Simple start and stop foot switch. Can be wired N.O., N.C. or SPDT
532-SWH 572-DWH	532-SWHO 572-DWHO	532-SWN 572-DWN	Single	DPDT		DPDT switch can also be adjusted so one circuit operates before the other.
533-SWH 573-DWH	533-SWHO 573-DWHO	533-SWN 573-DWN	Single	TPDT		TPDT switch can also be adjusted so 1 or 2 circuits operate before the 3rd.
534-SWH 574-DWH	534-SWHO 574-DWHO	534-SWN 574-DWN	Two	SPDT		Distinct "feel" between the two stages. Each stage SPDT.
535-SWH 575-DWH	535-SWHO 575-DWHO	535-SWN 575-DWN	Three	SPDT		Distinct "feel" between the three stages. Each stage SPDT.
536-SWH 576-DWH	536-SWHO 576-DWHO	536-SWN 576-DWN	Single	SPDT DB*	15 Amps 125-250 VAC $\frac{1}{2}$ HP 125 VAC 1 HP 250 VAC Heavy Pilot Duty 250 VAC Max.	See comments above for adjustments and operational characteristics of similar models.
537-SWH 577-DWH	537-SWHO 577-DWHO	537-SWN 577-DWN	Single	DPDT DB*		*DB Double Break models have (4) four terminal interior snap switches and must be wired to equal voltage sources and the same polarity. The loads should be on the same sides of the line.
538-SWH 578-DWH	538-SWHO 578-DWHO	538-SWN 578-DWN	Two	SPDT DB*		

S Denotes MOMENTARY CONTACT—Press to Start—Release to Stop.
D Denotes MAINTAINED CONTACT—Press to Start—Press Latch to Stop.